

ABSTRACT

A composition is proposed for use in preventing the formation of ice or snow on outdoor surfaces, such as roadways or aggregate stockpiles, and also for deicing surfaces upon which snow or ice has formed. The composition is formed from a waste product of the process of removing sugar from molasses, also known as desugared molasses. As a byproduct of a widely used process for making edible sugar, the desugared molasses is readily available at a low cost. Moreover, the composition is ready for use in conventional spraying equipment without the need for mixing agents, is environmentally friendly, and is able to perform at temperatures well below the freezing point of water. The composition is also non-corrosive and can be admixed with chloride salts, such as magnesium, calcium, or sodium chloride, to reduce the corrosiveness of the resulting solution while still providing effective deicing activity.

FOUO 22105 062601